

What Is Claimed Is:

1. A transflective liquid crystal display device, comprising:

first and second transparent substrates facing each other with a reflective portion and a transmissive portion;

gate and data lines over the first transparent substrate perpendicularly crossing each other and defining pixel regions;

a thin film transistor connected to the gate and data lines in the pixel region;

an insulator in the thin film transistor on the first substrate covering the gate line;

a passivation layer in the reflection portion on the insulator and on the thin film transistor;

a pixel electrode in the reflective and transmissive portions, wherein the pixel electrode contacts both the passivation layer in the reflective portion and the insulator in the transmissive portion;

a reflector on the pixel electrode in the reflective portion;

color filters on a rear surface of the second transparent substrate, the color filters having through holes;

column spacers between the reflector and the color filters, each column spacer corresponding in position to each through hole;

a common electrode under the color filters; and

a liquid crystal layer interposed between the common electrode and the pixel electrode.

2. The device according to claim 1, wherein the through holes and the column spacers are in the reflective portion.

3. The device according to claim 1, further comprising an overcoat layer between the color filters and common electrode.

4. The device according to claim 3, wherein the column spacers and the common electrode are formed on the overcoat layer.

5. The device according to claim 1, wherein the color filters have red, green and blue colors and the column spacers respectively correspond to the red, green and blue color filters.

6. The device according to claim 1, wherein the passivation layer has a contact hole exposing a portion of the thin film transistor and the pixel electrode contacts the thin film transistor through the contact hole.

7. The device according to claim 1, wherein the column spacers includes one of benzocyclobutene (BCB), photo-acrylic resin, cytop and perfluorocyclobutene (PFCB).

8. The device according to claim 1, wherein the pixel electrode overlaps edge portions of the gate and data lines.

9. The device according to claim 1, wherein the passivation layer creates a first cell gap in the transmissive portion and a second cell gap in the reflective portion, and the first cell gap is larger than the second cell gap.

10. A transflective liquid crystal display device, comprising:

first and second transparent substrates facing each other with a reflective portion and a transmissive portion;

gate and data lines over the first transparent substrate perpendicularly crossing each other and defining pixel regions;

a thin film transistor connected the gate and data lines near in the pixel region;

an insulator in the thin film transistor on the first substrate with covering the gate line;

a passivation layer in the reflective portion on the insulator and on the thin film transistor;

a pixel electrode in the reflective and transmissive portions, wherein the pixel electrode contacts both the passivation layer in the reflective portion and the insulator in the transmissive portion;

a reflector on the pixel electrode within the reflective portion;

red, green and blue color filters on a rear surface of the second transparent substrate, the red, green and blue color filters corresponding to pixel regions, wherein some of the red, green and blue color filters have through holes and some do not have through holes;

column spacers between the reflector and the color filters, each column spacer corresponding in position to a color filter that does not have a through hole;

a common electrode under the color filters; and

a liquid crystal layer interposed between the common electrode and the pixel electrode.

11. The device according to claim 10, wherein the through holes and the column spacers are in the reflective portion.

12. The device according to claim 10, further comprising an overcoat layer between the color filters and common electrode.

13. The device according to claim 10, wherein the column spacers are formed on the common electrode.

14. The device according to claim 10, wherein the passivation layer has a contact hole exposing a portion of the thin film transistor and the pixel electrode contacts the thin film transistor through the contact hole.

15. The device according to claim 10, wherein the column spacers includes one of benzocyclobutene (BCB), photo-acrylic resin, cytop and perfluorocyclobutene (PFCB).

16. The device according to claim 10, wherein the pixel electrode overlaps edge portions of the gate and data lines.

17. The device according to claim 10, wherein the passivation layer creates a first cell gap in the transmissive portion and a second cell gap in the reflective portion, and the first cell gap is larger than the second cell gap.

18. A method of forming a color filter substrate for use in a transflective liquid crystal display device, comprising:

forming a color resin on a transparent substrate having reflective and transmissive portions;

disposing a mask over the color resin;

irradiating light to the color resin through the mask;

forming color filters having through holes;

forming an overcoat layer over the transparent substrate to cover the color filters;

forming column spacers on the overcoat layer, wherein each column spacer corresponds in position to the through hole; and

forming a transparent pixel electrode on the overcoat layer exposed between the column spacers.

19. The method according to claim 18, wherein the through holes and the column spacers are in the reflective portion.

20. The method according to claim 18, wherein the column spacers includes one of benzocyclobutene (BCB), photo-acrylic resin, cytop and perfluorocyclobutene (PFCB).